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## 1 Routine/Function Prologues

### 1.1 Fortran: Module Interface precipforcing\_pluginMod.F90 (Source File: precipforcing\_pluginMod.F90)

This module contains the definition of the functions used for incorporating a new observed precipitation forcing scheme.

#### REVISION HISTORY:

12 Dec 03 Sujay Kumar Initial Specification

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#### INTERFACE:

```
module precipforcing_pluginMod
```

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#### 1.1.1 precipforcing\_plugin (Source File: precipforcing\_pluginMod.F90)

This is a custom-defined plugin point for introducing a new observed precipitation forcing scheme. The interface mandates that the following routines be implemented and registered for each of the forcing scheme.

**retrieval of forcing data** Routines to retrieve forcing data and to interpolate them. (to be registered using registerget)

**definition of native domain** Routines to define the native domain as a kgds array (to be registered using registerdefnatpcp)

Multiple forcing schemes can be included as well, each distinguished in the function table registry by the associated forcing index assigned in the card file.

#### INTERFACE:

```
subroutine precipforcing_plugin
```

#### USES:

```
use huffdomain_module
use persdomain_module
use cmapdomain_module
```

#### CONTENTS:

```
call registerpget(2, gethuff)
call registerpget(3, getpers)
call registerpget(4, getcmap)

call registerdefnatpcp(2, defnathuff)
call registerdefnatpcp(3, defnatpers)
call registerdefnatpcp(4, defnatcmap)
```

```
call registerpti(2,time_interp_huff)
call registerpti(3,time_interp_pers)
call registerpti(4,time_interp_cmap)

end subroutine precipforcing_plugin
end module precipforcing_pluginMod
```